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## **CLAIMS**

<ol> <li>A piezoelectric actuator using a laminated</li> </ol>
piezoelectric device having alternately layered
piezoelectric layers and electrode layers comprising:
a metal case provided on the outside of
the side surface of the piezoelectric device, and
an insulating member provided between the
piezoelectric device and the case; wherein
said insulating member being made of a
piece separate from the piezoelectric device.

- 2. A piezoelectric actuator as set forth in claim 1, wherein the insulating member is a cylindrical resin or paper sleeve.
- A piezoelectric actuator as set forth in claim 1, wherein the insulating member is a paper or resin sheet wound around the piezoelectric device.
- 4. A piezoelectric actuator as set forth in claim 3, wherein at least overlapped portions of the wound sheet are adhered to each other.
- 5. A piezoelectric actuator as set forth in claim 1, wherein the insulating member is adhered to the inner wall of the case.
- A piezoelectric actuator as set forth in claim 1, wherein the piezoelectric device has a polygonal or barrel-shaped cross section perpendicular to its extending-and-contracting direction.
- 7. A piezoelectric actuator as set forth in claim 1, wherein the maximum thickness of the insulating member is no more than 0.3 mm.
- 8. A piezoelectric actuator as set forth in claim
  1, wherein the piezoelectric actuator is incorporated in
  an injector and drives the injector.

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